

ABSTRACT

The present invention provides a composition for a flame-retardant flexible polyurethane foam comprising: (A) 100 parts by weight of a polyol component containing a
5 polyether polyol having at least 2 hydroxyl groups and a number average molecular weight of 2,000 to 5,000; (B) 3 to 50 parts by weight of a melamine-based flame retardant having an average particle diameter of 30 to 60 μm ; (C) 5 to 35 parts by weight of an additive-type phosphorus-
10 containing flame retardant; (D) 0.01 to 2 parts by weight of a catalyst; (E) 0.1 to 10 parts by weight of a blowing agent; (F) 0.1 to 3 parts by weight of a silicone foam stabilizer; and (G) a polyisocyanate component in an amount corresponding to an isocyanate index of 90 to 120.

15 The composition of the present invention enables a highly flame-retardant polyurethane foam to be obtained even with the use of a general-purpose polyol.